

# Meet **Gocator**<sup>®</sup>

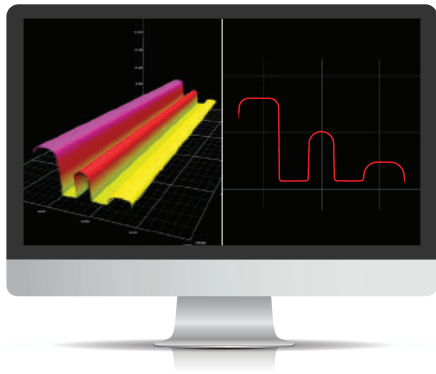
3D SMART SENSORS FOR IMPROVED FACTORY PRODUCTION



# Gocator® LINE PROFILE SENSORS

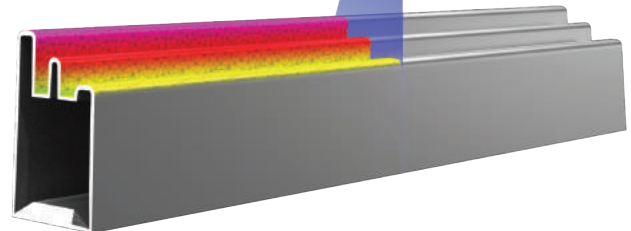
For Robust 3D Inspection of Moving Parts

Line profilers use a projected laser line to perform high-resolution **geometry**, **surface**, and **volumetric** measurements at inline production speed.

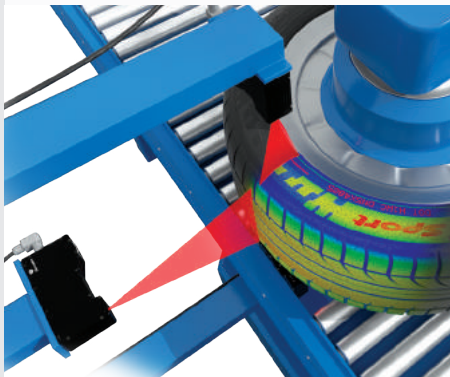


**Gocator. 2420**

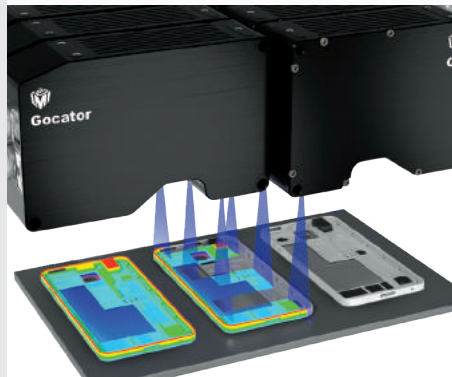
- » High-speed, high-resolution (down to 6  $\mu\text{m}$ )
- » For complete inspection of shape and geometric features
- » Entry-level, workhorse, and advanced models to meet your specific application needs



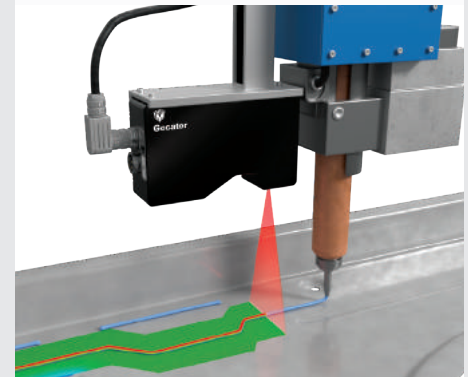
Tire scanning for bulges, dents, runout



Multi-sensor phone case inspection



Adhesive bead inspection



**Why You Need 3D:** Higher measurement repeatability due to integrated optics, lighting, and pre-calibration

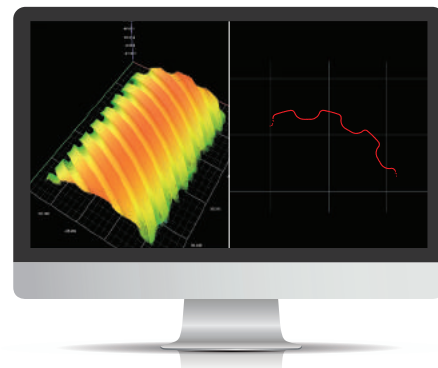
# Gocator® SNAPSHOT SENSORS

For Full-Field 3D Inspection of Parts with Start/Stop Motion



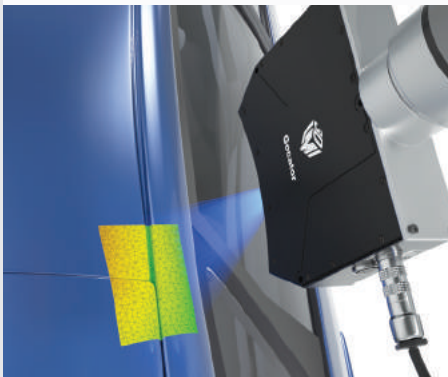
**Gocator** 3210

Snapshot sensors use blue-LED structured light and built-in tools to measure specific object features in a single scan. They are ideal for inline inspection of parts with start/stop motion such as **robotic inspection** and **pick-and-place**.

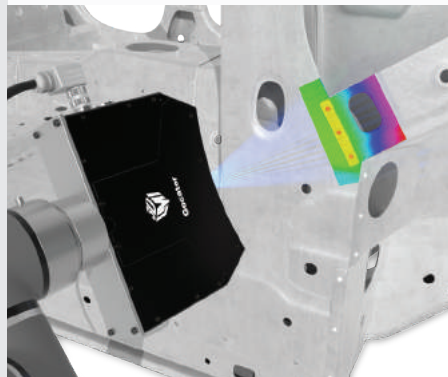


- » Generate 3D point clouds with a single scan trigger
- » Stereo camera design minimizes occlusions
- » Interface seamlessly with a wide variety of industrial robots to provide vision guidance and flexible measurement capabilities

Robotic gap & flush inspection



Robotic rivet inspection



Robotic windshield insertion



**Why You Need 3D:** Volumetric measurement (X, Y, and Z axis) provides shape and position related parameters—necessary for robot handling

## Every Gocator is FactorySmart®:

- » Easy web-based user interface with drag & drop functionality
- » Pre-calibrated and ready to measure out-of-the-box
- » Scanning, measurement, and control logic in a single device
- » Seamless communication with factory networks and equipment

## 3D IS OUR EXPERTISE.

Since 1998, LMI Technologies has worked to advance 3D smart sensor technology for fast and accurate measurement. Our flagship Gocator product line helps factories achieve 100% inspection, reduce waste by optimization, and improve efficiency by simplifying automation.

Trusted in the most challenging applications, our 3D solutions help customers improve control of their processes and stay ahead of the competition.

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